## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Yusuke KONAGAI et al.

Serial No.: 10/585,654

Filed: July 7, 2006

Title: LOUDSPEAKER APPARATUS

Group Art Unit:

Examiner:

Attorney Docket No.: YAMA:135

MAIL STOP PCT COMMISSIONER FOR PATENTS P.O. BOX 1450 ALEXANDRIA, VA 22313-1450 **Certificate of Mailing** 

I hereby certify that this paper is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

J. 1.

DATE: 8-4-

BY:

HELEN CASSIDY

## INFORMATION DISCLOSURE STATEMENT

Sirs:

Pursuant to 37 C.F.R. §1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached Forms PTO/SB/08A and PTO/SB/08B. These references were cited in the International Search Report of the parent PCT application PCT/JP2005/000159. In addition Reference WO-01/23104 A2 is discussed in the Specification. Copies of the references listed on Forms PTO/SB/08A and the International Search Report listed on PTO/SB/08B are attached.

It is respectfully requested that the information be expressly considered during the prosecution of this application, that these references be made of record therein and appear among the "References Cited" on any patent to issue therefrom, and that an initialed copy of the Forms PTO/SB/08A and PTO/SB/08B be returned to the undersigned.

Respectfully submitted,

ROSSI, KIMMS & McDOWELL LLP

DATE 8/9/06

MARO A. ROSSI REG. NO. 31,923

110.110.51,52

P.O. Box 826 ASHBURN, VA 20146-0826 703-726-6020 (PHONE) 703-726-6024 (FAX) U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO		Complete if Known			
		Application Number	10/585.654		
INFORMA	TION DISCLOSURE	Filing Date	July 7, 2006		
	· · · · · · · · · · · · · · · · · · ·	First Named Inventor	Yusuke KONAGAI et al.		
-	ENT BY APPLICANT	Art Unit			
(Use as	many sheets as necessary)	Examiner Name			
Sheet 1	of 6	Attorney Docket Number	YAMA:135		

	1 4:		U. S. PATENT D		
Examiner Initials*	Cite No. <sup>1</sup>	Document Number  Number-Kind Code <sup>2 (# known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-			1 igares rippedi
		05-			
		US-			
	-	US-			
		US-			
		US-		F # 10 10 10 10 10 10 10 10 10 10 10 10 10	
		US-		<del></del>	
		US-	<del>                                     </del>		
		US-	<del> </del>		

		FORE	IGN PATENT DOCL	JMENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document  Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
	Α	JP 5-41897 A	02-19-1993	YANAGAWA et al.	Engl. Abst/Cor to Ref Y	
	В	JP 6-261385 A	09-16-1994	FURUTA et al.	Engl. Abstract	
	С	JP 6-225379 A	08-12-1994	FURUTA et al.	Engl. Abstract	
	D	JP 2000-184488 A	06-30-2000	KOURA et al.	Engl. Abstract	
	E	JP 2003-510924 A	03-18-2003	HOOLEY et al.	corresp. to F	
	F	WO 01/23104 A2	09-29-2000	HOOLEY et al.	corresp. to E	

Examiner	Date	
Signature	Considered	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Complete if Known Substitute for form 1449/PTO Application Number 10/585,654 Filing Date July 7, 2006 INFORMATION DISCLOSURE First Named Inventor Yusuke KONAGAI et al. STATEMENT BY APPLICANT Art Unit (Use as many sheets as necessary) **Examiner Name** Sheet 2 Attorney Docket Number of 6 **YAMA:135** 

			U. S. PATENT D	OCUMENTS	
Examiner Initials*	Cite No. <sup>1</sup>	Document Number  Number-Kind Code <sup>2 (f known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
-		US-			
		US-			
		US-			
-		US-			
		US-		· · · · · · · · · · · · · · · · · · ·	
		US-			
		US-			
		US-			

		FOREI	GN PATENT DOCL	JMENTS		
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document		
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	MM-DD-YYYY		Or Relevant Figures Appear	T <sup>6</sup>
	G	JP 2002-345077 A	11-29-2002	ISHIMARU	Engl. Abstract	
	Н	JP 6-209500 A	07-26-1994	KAKU	Engl. Abstract	
	I	JP 5-276591 A	10-22-1993	TANAKA et al.	Engl. Abstract	
	J	JP 6-62488 A	03-04-1994	CHIYOU	Engl. Abstract	
	K	JP 2004-531125 A	10-07-2004		corresp. to L	
	L	WO 02/078388 A	10-03-2002	TROUGHTON et al	corresp. to K	

Examiner	Date	
Signature	Considered	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at <a href="www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

**YAMA:135** 

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO	Complete if Known		
Substitute for form 1443/1 TO	Application Number	10/585,654	
INFORMATION DISCLOSURE	Filing Date	July 7, 2006	_
	First Named Inventor	Yusuke KONAGAI et al.	_
STATEMENT BY APPLICANT	Art Unit		_
(Use as many sheets as necessary)	Examiner Name		_

Attorney Docket Number

3

Sheet

of | 6

			U. S. PATENT D	OCUMENTS	
Examiner Initials*	Cite No. <sup>1</sup>	Document Number  Number-Kind Code <sup>2 (# known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevan Figures Appear
		US-		- A A A- A- A- A- A- A- A- A- A- A	· · · · · · · · · · · · · · · · · · ·
		US-			
		US-		-	
		US-			
		US-			
		US-		*	
		US-			
		US-		<del>-</del>	
		US-			
		US-			
		US-			
		US-	<del></del>	10444	

			SN PATENT DOCU	JMENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	MM-DD-YYYY		Or Relevant Figures Appear	T <sup>6</sup>
	М	JP 2004-363697 A	12-24-2004	KONAGAI	Engl. Abstract	
	N	JP 2004-350173 A	12-09-2004	NAKAYAMA et al.	Engl. Abstract	$\Box$
	0	JP 2003-23689 A	01-24-2003	HARUYAMA et al.	Engl. Abstract	
	Р	JP 9-233591 A	09-05-1997	SASAKI et al.	Engl. Abstract	
	Q	JP 2004-193698 A	07-08-2004	ITABASHI et al.	Engl. Abstract	
	R	JP 2004-172703 A	06-17-2004	ASADA et al.	Engl. Abstract	

		_
Examiner	 Date	
Signature	Considered	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Sind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Substitute for form	Substitute for form 1449/PTO		mplete if Known
		Application Number	10/585,654
INFORM	ATION DISCLOSURE	Filing Date	July 7, 2006
		First Named Inventor	Yusuke KONAGAI et al.
	ENT BY APPLICANT	Art Unit	
(Use as many sheets as necessary)		Examiner Name	
Sheet 4	of 6	Attorney Docket Number	YAMA:135

	1 0		U. S. PATENT D		
Examiner Initials*	Cite No. <sup>1</sup>	Document Number  Number-Kind Code <sup>2 (f known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-			
		US-	<del> </del>		
		US-		***	
		US-			
		US-	-		
		US-			
-		US-		· · · · · · · · · · · · · · · · · · ·	
		US-	· ·	the state of the s	
		US-			
		US-		·	
		US-			

			<b>GN PATENT DOCU</b>	MENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	MM-DD-YYYY		Or Relevant Figures Appear	T <sup>6</sup>
	S	JP 2004-336530 A	11-25-2004	USUI et al.	Engl. Abstract	
	Т	JP 6-269096 A	09-22-1994	NISHIKAWA	Engl. Abstract	
	U	JP 2005-12765 A	01-13-2005	KONAGAI et al.	Engl. Abstract	
	V	JP 2005-80079 A	03-24-2005	MIURA et al.	Engl. Abstract	
	W	JP 2005-27020 A	01-27-2005	ISONO	Engl. Abstract	
	X	JP 9-121400 A	05-06-1997	KOMIYAMA	Engl. Abstract	

Examiner	Date	
Signature	Considered	1

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO				Complete if Known		
				Application Number	10/585,654	
IK	IEODMA	ום ואטוד	SCLOSURE	Filing Date	July 7, 2006	
				First Named Inventor	Yusuke KONAGAI et al.	
S			APPLICANT	Art Unit		
	(Use as	many sheets as	s necessary)	Examiner Name		
Sheet	5	of	6	Attorney Docket Number	YAMA:135	

			U. S. PATEN	DOCUMENTS	
Examiner Initials*	Cite No. <sup>1</sup>	Document Number  Number-Kind Code <sup>2 (f known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	Υ	<sup>US-</sup> 5,233,664	08-03-1993	YANAGAWA et al.	Corresp to Ref A
		US-			
,		US-			
	İ	US-			
		US-			
		US-			
		US-	-	****	
	ļ	US-			
		US-	_		
		US-			<del> </del>

		FORE	IGN PATENT DOCL	JMENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document  Country Code <sup>3</sup> "Number <sup>4</sup> "Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
	Z	JP 2004-172661 A	06-17-2004	ASADA et al	Engl. Abstract	
	AA	GB 2 273 848 A	06-29-1994	ZHANG	Rel. to J	
	-					
	i			1	1	

Examiner	 Date	
Signature	Considered	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Nind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/08B (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449/PTO		Complete if Known		
	Application Number	10/585,654		
INFORMATION DISCLOSUR	Filing Date	July 7, 2006		
STATEMENT BY APPLICAN	First Named Inventor	Yusuke KONAGAI et al.		
(Use as many sheets as necessary)	Art Unit			
(Ose as many sheets as necessary)	Examiner Name			
Sheet 6 of 6	Attorney Docket Number	YAMA:135		

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	Z	Relevant portion of International Search Report of corresponding PCT Application PCT/JP2005/000159.	
	į		
<b></b>			
	Ţ		

Examiner Date Signature Considered

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:

Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.